

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application No. 10/594,401

Confirmation No. 1941

Applicant: Koyakumaru

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Examiner: Unassigned

Docket No.: 701063 (Client Reference No. 201511)

Customer No.: 23460

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**REQUEST AND PETITION FOR CORRECTED
PATENT APPLICATION PUBLICATION**

Pursuant to 37 CFR § 1.221(b), Applicants petition for the republication of the referenced patent application to correct a material mistake made by the Office.

Front Page, insert field “(30) Foreign Application Priority Data”
should read

(30) Foreign Application Priority Data
Mar. 31, 2004 (JP) 2004-108443

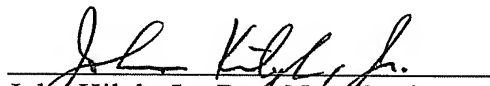
The evidence supporting this correction is as follows:

The “Application Data Sheet” filed with the above-identified application on September 26, 2006, reciting the priority information.

In re Appln. of Koyakumaru
Application No. 10/594,401

It is believed that there is no charge for this request since Applicants were not responsible for the error on the published application. However, the Commissioner is hereby authorized to charge any fee that may be required to Deposit Account No. 12-1216.

Respectfully submitted,



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(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2007/0203106 A1****Koyakumaru**(43) **Pub. Date: Aug. 30, 2007**(54) **METHOD FOR PRODUCING
5 α -PREGNANE DERIVATIVE**

for squalamine, in a high yield from easily available raw materials, can be provided:

(75) **Inventor: Kenichi Koyakumaru, Bizen-shi (JP)**

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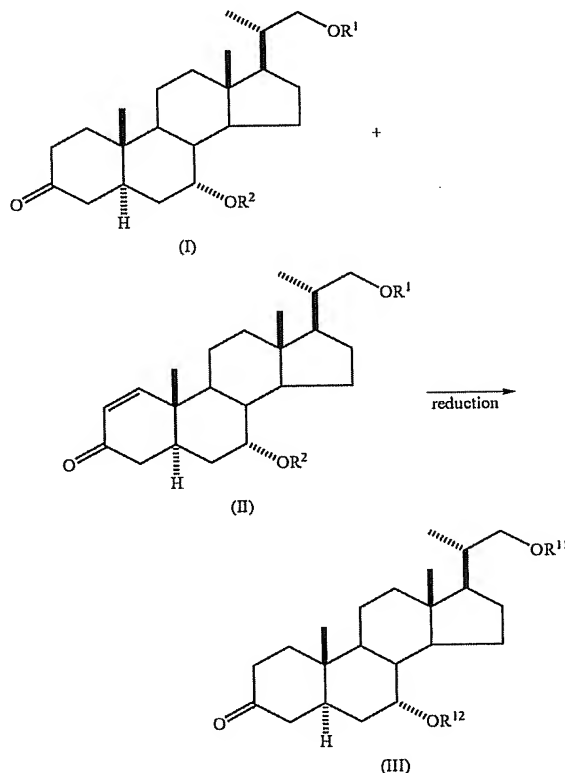
§ 371(c)(1),
(2), (4) **Date: Sep. 26, 2006**

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- (51) **Int. Cl.**
A61K 31/56 (2006.01)
C07J 5/00 (2006.01)
(52) **U.S. Cl.** **514/178; 552/562**

(57) **ABSTRACT**

The present invention relates to a method of producing 5 α -pregnane derivatives represented by the formula (III), which is characterized by selectively reducing a carbon-carbon double bond of a 5 α -pregnane derivative represented by the formula (II) in a mixture of 5 α -pregnane derivatives represented by the formula (I) and the formula (II). According to the present invention, a method capable of producing 5 α -pregnane derivatives useful as synthetic intermediates



wherein R^1 , R^2 , R^{11} and R^{12} are each independently a hydrogen atom or a hydroxyl-protecting group.

→ (30) **Foreign Application Priority Data**

Mar. 31, 2004**(JP)****2004-108443**

Application Data Sheet

APPLICATION INFORMATION

Application Number:: Unassigned
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Subject Matter:: Utility
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Suggested Group Art Unit::
CD-ROM or CD-R?: None
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Number of Copies of CDs:
Sequence Submission?:
Computer Readable Form (CRF)?:
Number of Copies of CRF?:
Title:: METHOD FOR PRODUCING 5 α -PREGNANE
DERIVATIVE
Attorney Docket Number:: 701063
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Request for Non-Publication?: No
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Total Drawing Sheets::
Small Entity?: No
Latin Name::
Variety denomination name::
Petition Included?: No
Petition Type::
Licensed US Govt. Agency::
Contract or Grant Numbers::
Secrecy Order in Parent Appl.?: No

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REPRESENTATIVE INFORMATION

Representative Customer Number:: 23460

Representative Designation:: Registration Number:: Representative Name::

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DOMESTIC PRIORITY INFORMATION

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	National Stage of	PCT/JP2005/006819	03/31/05

FOREIGN APPLICATION INFORMATION

Country::	Application Number::	Filing Date::	Priority Claimed
Japan	2004-108443	03/31/04	Yes

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